

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Peter Beedlow <nn9k@worldnet.att.net>
Subject: [9645] 10 meters
Message-ID: <199606102214.WAA18115@mailhost.worldnet.att.net>

Reading with interest some of the 10 meter comments. Remember guys you don't have to have sunspots, Es works just as well. 6 meters was open most of the daylight hours last weekend. I never heard one station on 28.060 during the several different times that I had a chance to monitor 10 meters. Called CQ a lot with no replies.....

There is life on frequencies other than 7 and 10 MHz!!

Pete, NN9K

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: wa5whn@ix.netcom.com (Jay Miller)
Subject: [9614] 10 meters mobile, June 8 & 9
Message-ID: <199606101459.HAA25209@dfw-ix11.ix.netcom.com>

Dear Fellow QRP Enthusists,

10 meters FM/SSB, over the weekend, mobile, from Southern NM into the Bay Area & up and down the eastern coast of the USA, was superb. With my Uniden HR2510, in the vehicle, it was Sporadic E contacts all over the USA. I had kept scanning 28.060 MHz, did not hear a peep, but 29.6 MHz FM & 10 meters SSB was hot. The Bay Area (Menlo Park) had sounded like they were locals. Looks like we will have some more of the same, within the next few days. Where is everyone QRV (QRP) on 10 meters ?

My thanks to AB50U & his lovely Bride (Jan) for their wonderful hospitality, that they had shown My Wife (WB5LYJ) & I, during our brief stay in Las Cruces, NM, over the weekend & to NA5N, for the smoke warning, as we had passed Highway 380 (Big salt cedar tree Fire) & I-25.

QRV, QRP FD on 10 meters...Jay, WA5WHN

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "Bob White" <Bob_White@CCMAIL.aerosys.loral.com>
Subject: [9623] 30 Meter TMPS
Message-ID: <9605108344.AA834435055@CCMAIL.AEROSYS.LORAL.COM>

I turned on the radio last night at 02:00Z it was right where I left off on 30 meters sometime last week. Right there on the frequency I had last used was this station pounding in at 589 calling CQ EU; no wait, that wasn't CQ EU it was CQ EU7SA. I whipped out a W03B with my 400mw from Pasadena, MD and was rewarded with a 549 from Andy (ex RC7SA).

Boy Chuck this is fun.

I'll have to start doing it more often.

72,

Bob White W03B WASTP 43.28W

400mw TMPS Qs=51 States=24 Confirmed=5 DX=3

AL, CA, CO, CT, FL, GA, IA, IL, IN, KS, LA, MA, MD, MI, MN, NH, NY, OH, OR, TN, TX, VA, WI, WV.

SP8, VE3, EU7

P.S. EU7SA was still going strong when I checked the band again at 03:00.

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996

From: Charles Lafkoff <cgl@tenet.edu>

Subject: [9630] 30 Meter Utility Stations

Message-ID: <Pine.OSF.3.91.960610123912.2470A-100000@beall.tenet.edu>

On 10,051.00 MHz USB there are various aero weather reporting stations that are useful to check propagation. Gander Radio, in Newfoundland, has been really booming into Spring, TX just before 2300 CDT (0400 UTC) +\-.

If anyone has the schedule of these stations, which share the same frequency and their respective on-air times, please send it to me or post to the list.

Thanks,

--Charlie WD5GNW

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [9660] 6 meter qrp
Message-ID: <Pine.SUN.3.93.960610201614.10187C-100000@ume>

Any 6 meter buffs on the list?

After owning a 736R for 7 years I finally tried it out last night six meters. (I had bought it for satellite work, at the time it was "the rig" for such things) It puts out 10 watts pep so its QRP on 6 meters. Anyway, I built an elevated quarter wave vertical with 4 sloping radials and attached it to my chimney last weekend. (About 15 feet up). Was away for most of weekend but the vhf contest was still on when I returned. Turned on the rig to hear several ssb signals and a beacon from the san fran area! Worked several W6's.....great fun and a personal first after 25 years of hamming. I may have to put up a real antenna soon. If any of you have tread these waters before, advice is solicited!

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO * VE6GK
Clinical Assistant Professor * NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary * "Power is no substitute for skill"

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [9635] 9V1ZV Sked
Message-ID: <31bc76c7.pandora@pandora.lugs.org.sg>

Well, I had fun on the sked though I must confess sending CQ at 5 WPM for 4 hours can be a little tiring at times, on the ears more than on the wrist. We can probably try this again some other time that everyone agrees on. If I am free tonight (tmw morning for you people) I might give it a shot but it all depends if I have anything else to do, and if the xyl minds :-). I promise I will try to respond to any itsy bitsy peep of a CW signal on the frequency. Because I am using an ARK-20 with a built in crystal filter at 330 Hz or so, you will have to try to tune in on the frequency or I might miss you. Perhaps some advice from K0FRP might later help us know where to point the beam?

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [9622] 9V1ZV Sked final update
Message-ID: <31bc3a2c.pandora@pandora.lugs.org.sg>

Well, the time is 1503 UTC and I've been operating for 4 hours straight now. Most of that time was spent on 14035 kHz and I have 2 QSO's with QRP-L-ers, namely Al, K0FRP/QRP and Jack, W7CNL/QRP. Both were quite readable but both are West Coast, as expected. Today the band was full of QRN with lots of static crashes.

The ARK-20 held out beautifully though the case feels a little warm now after so many hours of use. I can now hear QRN and code fragments in my hear even with the radio and the headphones off! This is the post-operating hangover. Perhaps we could try this again at another time when conditions are better. The 2 QSO's are pretty good considering that we are the the bottom of the bottoms of the cycle! Rock bottom and we have 2 way QRP from Singapore to US. Someone work out the miles the watt for the round trip here!

The dipole I threw out is far from optimum and I was feeding it through an antenna tuner, the MFJ-945D (mobile tuner). I really should trim the antenna and get rid of the tuner. In any case it turned out better than I had imagined. I may have heard a few more stations but they were too far in the noise to decipher.

Can we hear from the two about their end of the story?

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [9611] 9V1ZV Sked update 1354 UTC
Message-ID: <31bc2922.pandora@pandora.lugs.org.sg>

Hi,

Well after that first QSO with Al, K0FRP/QRP things went silent with a few Q's with some Japanese stations on the frequency. There's also an RA

calling a little higher up, and OH2NY a little down. It's drizzling here and QRN is still pretty high but if a station comes up I think I can pull the signal out of the noise. I hope. Keep trying, just one more hour to go.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [9615] 9V1ZV Sked update 14023 UTC, 2 Qs
Message-ID: <31bc3069.pandora@pandora.lugs.org.sg>

Yeehar!

Got another. Jack, W7CNL/QRP, is the lucky second QSO. This is 1420 UTC or so and bands are noisy. Called CQ real slow to make up for the poor conditions and then played the RIT and heard what sounded like a homebrew rig. Listened real hard and got the /QRP bit. Aha! I thought, time to put on the phones and turn up the volume. Jack, from Paso. I wonder where in the USA Paso is. Anyway, Jack, do let us know what rig you are using and your setup. Let's hear it from your end :-)

73 de 9V1ZV Daniel

p.s. Some station just came on the frequency.

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: lve1@inel.gov (Larry V East)
Subject: [9648] ARCI
Message-ID: <2.2.16.19960610222236.151f503e@eloi>

If you have been planning to join the QRP Amateur Radio Club International but have been putting it off, do it NOW and avoid an increase in membership dues that goes into effect July 1, 1996. A modest \$5/year (more for DX subscribers) dues increase is necessary in light of increased printing and mailing costs. The last dues increase was in 1987, I believe.

To join, send \$12.00 BEFORE JULY 1 to:

Mike Bryce, WB8VGE
2225 Mayflower, NW
Massilon, OH 44647

Checks and money orders should be made payable to "QRP-ARCI".

Join now and begin receiving The QRP Quarterly in October (probably too late now to get the July issue.) The QRP Quarterly is a good deal at (almost) any price...

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: n5zgt@swcp.com (Brian Mileschosky)
Subject: [9665] Backpacking QRPp
Message-ID: <199606110348.VAA23065@kitsune.swcp.com>

Hello Everybody,

I will be backpacking in the Gila Wilderness in southern New Mexico (If they don't close it down...there is a fire burning there now :()and my NorCal 49'er will be in the pack along the way!

I do not know of any times I will be operating. However, the first trip (Short 30 mile hike) will be from June 26 - June 30, and the second trip (The one I'm waiting for! 50+ miles!) will be July 21 - July 27 (Tenative). I will be on 7.040 using a end-fed dipole as the antenna.

This will be my first 50 miler hike and I'm going with my Boy Scout Troop (Troop 41 in Albuquerque, NM). I just hope the Gila will be open when these dates roll around!

I will post another message with some more detail dates and maybe some times, but I just wanted to throw this out and let everybody know in case N.M is one of the states you need in your logbook for QRP WAS!

Best of 73,

Brian, N5ZGT (A board of review shy from Eagle Scout!)

Boy Scouts of America
JASM -Troop 41
Albuquerque, N.M.
O.A. Lodge 66 <-W-W-W-<<

Amateur Radio - N5ZGT
ARRL QRP: NorCal# 1700
Packet: N5ZGT @ KC5IZT.ALBQ.NM.USA.NA
Internet: n5zgt@swcp.com

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Dean Marzocca <n2tnn@ifu.net>
Subject: [9653] CW is it
Message-ID: <31BCC0E7.4C8C@ifu.net>

Wayne Barnhart wrote:

>
> On Mon, 10 Jun 1996 210_100_LIB@NEOMNO.NEOMIN.OHIO.GOV wrote:
>
> > Frankly, I'm concerned! Not only about the state of the world in general, but
> > more specifically for this group, the state of our great hobby. A couple of
> > weeks ago several QRP-L members posted info re the IARU's "Future of the
> > Amateur Service Committee" recommendations on CW as part of the international
> > treaty which governs amateur radio worldwide. The FASC WILL recommend that CW
> > be dropped as a requirement for HF privileges at the next WRC. Unless there is
> > a monumental outcry from the little guys, people like me and, I assume, YOU,
> > the recommendation will be accepted and within a very short time the HF bands
> > will be filled with hams who have no understanding nor desire to understand
the
> > benefits and pure satisfaction that comes from developing CW skills. As time
>
> I think I am going to disagree with this. I blv that as long as someone
> wants to work CW the facilities will be available. Just because they will
> drop the code requirements doesn't mean CW itself will be dropped. Tuning
> across the bands today I can attest that there are few who understand the
> benefits and pure satisfaction that comes from developing CW skills and I
> am one of them. I mostly work CW because I built the radio that transmits
> CW and I kinda get a kick out of QRP, mostly because I can build a QRP
> radio. I really cant say that working CW is anymore satisfying than any
> other mode. As an example of what I am trying to say (on the spur of the
> moment so to speak) there is a lot of digital activity on the HF bands.
> Probably more digital operators than QRP operators yet the digital
> operators did not have to prove their digital proficiency by taking a
> digital test. They do it because they like it. CW operators are the same
> way. Witness the number of general class and above that havn't been able
> to copy code since the day they took and passed the test.
>
> Since you gave some of your background I will do the same. I spent 7 years
> with the Coast Guard as a radiomen back in the 60's. I held a high speed
> ticket that allowed me to work on the air with a bug. To get the ticket
> you had to pass a 30wpm send/rcv test. I currently hold an extra class
> license. I have been involved with CW most of my adult life but hold no
> reverence for it.
>
> The direction of amateur radio is definately changing. I hear a number of

> husband/wife conversations on 2 meters. They became licensed because the
> medium provides a reliable method of keeping in touch. I think that this
> is ok. I also think it is ok for someone to scratch build his own radio.
> Its a big hobby and there is room for everyone and I think the time for a
> cw requirement for entrance has passed.
>
> Thanks for the time...
>
> Wayne WB7WHI
> Spokane, Wa.
> Wayne, I couldn't agree more. The CW thing is a feeling you can't get
anywhere else. I rarely use the mic and in the VHF contest yesterday the
last 30 contactcs were on cw. It added more to the contest than shouting
into a box.
I could do the cw thing all day if time would allow, and BTW it
took me almost a full year to "get it" but now it won't go away. My
speed isn't like yours but it is good enuf for me, well now it is, maybe
not later.

73, Dean

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: 210_100_LIB@NEOMNO.NEOMIN.OHIO.GOV
Subject: [9616] Does QRP have a future??
Message-ID: <01I5QQ72G0788X015A@NEOMNO.NEOMIN.OHIO.GOV>

Frankly, I'm concerned! Not only about the state of the world in general, but more specifically for this group, the state of our great hobby. A couple of weeks ago several QRP-L members posted info re the IARU's "Future of the Amateur Service Committee" recommendations on CW as part of the international treaty which governs amateur radio worldwide. The FASC WILL recommend that CW be dropped as a requirement for HF privileges at the next WRC. Unless there is a monumental outcry from the little guys, people like me and, I assume, YOU, the recommendation will be accepted and within a very short time the HF bands will be filled with hams who have no understanding nor desire to understand the benefits and pure satisfaction that comes from developing CW skills. As time goes on, and it won't, IMHO, be a long time, the number of CW ops will decrease even more dramatically than it has, and the QRM above the CW portions of each band will begin to clamor for more room, ie., the CW sections.
I ask YOU, very simply, how will YOU fare with your peanut whistle on 7040 when a fellow running, conservatively, a KW, on SSB, comes splattering over your signal? Who's going to listen when there is no understanding nor appreciation of the CW ops plight in such a situation? In my honest opinion, we are on the threshhold of just such a situation. Will QRP die? Probably not, after all, an HT on two meters, especially at low power, is technically QRP, I guess! But, certainly QRP as we know it, and with all the wonderful benefits that it brings

with it, will take a body blow. What happens to all those simple little rigs that QRPers love to build and operate -- at least once -- many, of course go on to put them on the shelves to collect dust after making a couple of QSOs -- what happens to that whole spirit of "building your own"? What happens to the QRP contests that so many of us enjoy? I'm just starting to work on QRP-DXCC es QRP WAS, will I have a chance to finish that quest? I doubt it!! In fact, what happens to contesting period? Will packeteers have to develop some type of digital contest whereby one tries to worm-hole his/her way through cyberspace to work his/her next door neighbor? I don't have any answers, I just have a lot of fears.

I'm 53 years old, old to many of you. I've been a ham for about 37 years now. I owe many things to my lifelong hobby, and just as I was looking forward to the time I could spend using my key to make contacts at my retirement leisure, I see a future where all will be SSB squawk boxes and computer TNCs. And WHY?? To find the answer look at what the FASC has said about CW -- the FASC has put down many reasons for valuing CW as a mode, BUT, then states, incredibly, that as the WRCs of the future will probably NOT be able to devote time to this issue after the 1997 or 1999 WRC, they are advocating removing section 25.5 (the section that requires a morse capability for HF operation) from the international agreement NOW. In other words, "even though we find CW to be a valuable operating mode NOW, but a mode that we'd like to get rid of for our own reasons, we are advocating its removal from the international treaty agreement NOW"!!!! Geeez, man, where the hell are we with that sort of logic?? I would have thought that QRPers would be fired up to the gills about this tragic situation. I've seen more on this list about the potential 2 meter encroachment than about the loss of CW. Tell me, how does QRP survive if two meters goes?? How does QRP survive if CW goes??

I'm sorry to take up so much space, and for those of you who pay to have this on your mail, and who don't want to read about it, I guess I'm sorry, but not too much because I believe that we are about to lose the greatest mode that this hobby has, especially for QRPers. If you want to flame me, go ahead, as that guy in the movie once said, "Frankly, whoever, I don't give a damn! As far as I'm concerned, the ARRL and the IARU are flaming me enough to satisfy everyone." If you haven't read the full text of the FASC recommendations, you can find it at -- <http://www.arrl.org/iaru/> and then click on the FASC Position paper.

If you agree with me then please, please, complain, bitch, gripe, write, email, phone, send messages through the NTS, do whatever you can to let those in the seat of power know that you really don't want this to go through. We will most certainly lose the first round, but if enough people let the FASC know that we are opposed to it, it may carry some weight for the future. If you don't agree with me, then go on living in your rosie little world, and complain later when\ some guy with a CBers drawl tells you where to stick your key when you complain about his encroachment onto the QRP frequencies, leaving you sitting in the dust of QRM.

If you want more info on this matter, drop me a line either at this email address or on Compuserve at 76022.2303@compuserve.com -- I look forward to hearing from you, especially if its on CW, QRP or not. 73, es GL. Pete Kozup

K80UA -- QRP ARCI 4075, FISTS 1254

understand

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: PDouglas12@aol.com
Subject: [9655] FS Rare Tokyo Hi Power QRP Handie
Message-ID: <960610211118_411480777@emout09.mail.aol.com>

Gang,

Tom W2RFU asked me to post this FS. This is the HT 750 written up in QST Oct '94. As far as I know it hasn't been imported to the US except by individuals. This is a 3 band SSB/CW rig with LCD readout in a handie talkie format. 3w on 15m and 40m. 2W on 6m. Included are leather case and Sp. Mike/key. QSK is 1/10 sec with 1/10 step adjustable. Runs off internal nicads or ext power. Charger is built in. Rig is in new condition. Asking price is \$535 American. Do not hit that reply button if you are interested! Email Tom directly at: tlifland@aol.com

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [9639] Gap-- and wire and ladderline
Message-ID: <n1377701855.41828@msmailgw1.arlut.utexas.edu>

Gap has a web page now; saw Richard at Ham Com and he gave it to me, but I don't have it at work, but do a search on Antennas and Gap. They don't have just email. (But I carry stacks of it to him when Gap comments come on here.) I have encouraged he and George to get email direct.

The Wireman, Press Jones, Landrum S.C. USA, has all the Ladder Lock accessories for antennas, wire, coax and ladder line both 450 and 300 ohm. Now they will not have a run of 300 before Field Day, for I asked him for it at Ham Com. But, they have the 450 with solid or stranded wires, and solid is 12 cents a foot, and I will have my 200 feet Wed. he promises.

He has updated his forum and has a bang up one on antennas and wires, and coax and ladder lines, and a Vol. 3 of his publication, and if you buy \$25 worth of wire, he was knocking \$2 off the book. I don't get anything for this; but he has faithfully come to Ham Com Arlington for YEARS, and put on FOUR seminars over three days, and still sold from a booth!

(Kind of in Chuck Adams league of achievements) :-)

He's got some hams from a church group making plastic antenna accessories for him, as a fund raiser. (Not Chuck, Press of THEWIREMAN)---Nils, help me.

Press also has Ground buss strips with grounded Coax connectors on it to ground out your feeds when station is not in use, and to dissipate static buildup, before you connect to rig. He has dealers, but direct it is 1-800-727-WIRE (9473) to those without letters on phones. Sorry folks overseas, I don't have his non toll free number at work.

72, Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [9651] GQRP members on e-mail list in archives
Message-ID: <Pine.SOL.3.91.960610194250.13982B-100000@utkux4.utcc.utk.edu>

The list of G-QRP members who are on-line with e-mail address compiled by G3MBN is now in the QRP-L archives under books/gqrpmail.list. Retrieve with the usual GET command or by ftp. This list runs 5 printed pages and may be useful in locating e-mail addresses for Gs and other members throughout Europe (plus some US members).

-73-
LB, W4RNL

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [9654] Horizontal delta loops
Message-ID: <Pine.SOL.3.91.960610210122.19803A@utkux4.utcc.utk.edu>

Horizontal Deltas on all bands

While I was on the road, several requests came in to model various antennas, mostly versions of the delta loop. While I do not have the time to do every antenna, I shall from time to time do a collection so that folks can see the trends and relate them to other information they have. An investigation of a very specific antenna would require more information at the input side than most requests have provided and take considerable time to ensure that the model was as close to the individual's real situation as I can make it. What I can do in fairly short order is to model generic antennas under various circumstances as a broad guide to builders, letting the individual extrapolate

for their specific situation.

For this exercise, let's look at the delta loop in the horizontal plane, fed at the apex. Feeding it across the way, at the center of the base wire will not change matters much. However, feeding it off center and off apex will likely change matters on all but the band for which the antenna is resonant. Moreover, we cannot assume that these ballpark numbers apply to the same delta loop when upright. The loop is #12 copper wire, and is at a height of 35', since this is a very popular amateur height.

1 w1 at 80 meters (previously copied from an e-mail to Dub)

Freq	Input Z	Gain	T0 angle	Comments
3.55	95 + 4	6.31	90	Gain at 45 degrees = 3.25 dBi
7.15	235 + 210	6.96	47	
10.12	115 - 270	6.63	36	F-B ratio 4 dB
14.15	305 + 175	10.05	28	F-B 2 dB, pattern has side ears
18.1	435 + 715	12.01	20	F-B 3 dB, bigger ears
21.1	175 + 280	11.68	17	F-B 3 dB, 6 point star pattern
24.95	485 + 565	13.50	15	F-B 3.5 dB, long, narrow F-B lobes, with frilly side ears
28.1	320 + 405	13.94	13	F-B 4.5 dB; same as 24.95

As noted earlier, the feedpoint Zs should be within the reach of most ATUs, and the angles are reasonable for an antenna that is low on the low bands and 1/2 w1 up at 10 meters. About as good an all-band wire as one can make at this height above ground. Values not too different from a square or rectangular loop in the same plane or same height, although patterns will vary somewhat due to the change in geometry.

1 w1 at 40 meters

Freq	Input Z	Gain	T0 angle	Comments
3.55	2740 - 20000	3.12	88	Gain at 45 degrees = 1.64 dBi
7.15	150 + 1	6.03	85	Gain at 45 degrees = 4.88 dBi
10.12	2655 + 510	5.36	46	
14.15	255 + 75	8.06	28	Diamond pattern
18.1	665 - 1655	8.76	21	Figure-8 pattern
21.1	106 + 136	8.38	18	Hexagon pattern
24.95	905 - 1465	7.99	16	Amoeba pattern
28.1	290 + 180	10.64	14	8-lobe pattern

This smaller delta loop at the same 35' up performs less well than the 80-meter loop. 80 meters has a lot of reactance. The number of cases of R or X above 1000 suggests that some tuners may have a hard time matching the system without some lucky choices of line length or some adjustment of the feedpoint (and the latter will alter the pattern somewhat). Gains are lower across the board.

1 w1 at 30 meters

Freq	Input Z	Gain	T0 angle	Comments
3.55	19 + 2340	-.95	63	
7.15	85 - 1120	5.45	67	Gain at 45 degrees = 4.91 dBi
10.12	151 + 3	5.35	45	
14.15	2950 + 1030	6.17	30	
18.1	330 + 550	8.76	21	Figure-8 pattern
21.1	330 + 550	8.76	19	Diamond pattern
24.95	890 - 1760	8.79	16	Figure-8 pattern
28.1	100 - 220	8.70	14	Hexagon pattern

Low-band performance of this loop is not really very good. 80 and 40 will likely present matching difficulties with select line lengths or altered feedpoints. Upper band performance does not match the other models.

The upshot of this exercise is that the 80-meter loop is perhaps the best all-band performer among delta loops in the horizontal plane at low heights (here 35' up). It requires a space a little over 40' by 80' and needs three hang points.

Remember that if you change the feedpoint or the geometry, patterns and input Z will likely change. However, an 80 meter rectangular or square loop in the same plane and height will likely give somewhat similar performance to the comparable delta loop in terms of being accessible to most ATUs, having about the same T0 angles, and about the same gains per band. going larger than an 80 meter loop, but not all the way to 160 meters, may alter the feedpoint impedances for better or worse, but is not likely to improve the performance by substantial amounts--only increased elevation can do that for a single element antenna.

I'll look at upright deltas cut for various bands in another exercise. This is enough bandwidth for this time.

-73-
LB, W4RNL

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: w3fpr@nando.net (D B Wilhelm)
Subject: [9647] KeyCad and artwork formats
Message-ID: <199606102225.SAA07382@parsifal.nando.net>

Gang,

I used to have KeyCad for DOS, and found it VERY lacking and unstable. When it would not handle a file the documentation said it should, I took it back to the store and got my money back. Nuff said, I no

longer buy software from Softkey without trying it out first.

On the bright side, my fuzzy memory of KeyCad's conversion capabilities includes both output and input in HPGL format. I cant' try it, but if some of you want to give it a whirl, and it works, we could standardize on HPGL format for schematic exchange and stuff. It will work on my GenericCad, so I can participate too, even without KeyCad. And I'm sure AutoCad will handle it as well for those having that capability.

72 de W3FPR, Don

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Mark E Gustoff <Mark_E_Gustoff@ccm.ch.intel.com>
Subject: [9636] MEMORANDUM: CW Requirement Eliminated

===== AMATEUR RADIO BULLETIN =====
Nov. 25

Today the organization announced that, effective January 1, 1997, CW proficiency of any type is no longer a requirement, per International treaty, for acquisition of an amateur radio license. Upon the above date all VEC testing bodies will be granted the right to provide examinations for all class amateur licenses with an abandonment of all CW exams to acquire those respective class licenses.

On the heels of this success, the committee has petitioned for the abandonment of the continued formal sub-band policy, thus allowing for all modes of transmission in any part of the band a licensee is qualified and granted license for. The committee sites the current allowance for CW in any section of the band, and sees no reason other modes of operation should be constrained to subsections of the allocation of amateur frequencies. The committee continues to back the gentlemen's agreements reached through the years relative to windows of operation in various sectors of the various amateur bands (ex: 14.060 - 14.061 for QRP CW operators).

=====

Fellow QRPer's:

Get your attention? It's coming, so get prepared.

You can say you heard it here first. Not wanting to reiterate the comments of Pete Kozup (K80UA), I respectfully request you read his posting "Does QRP have a future??", and make your case (pro or con) known before the above bulletin comes across your desktop with no recourse but complaining in retrospect.

73/72,

Mark Gustoff

"The above is the express and sole opinion of myself alone. I speak for no one, and people like it that way."

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [9629] MFJ SSB
Message-ID: <9605108344.AA834435143@smtpgw.ccgate.dl.nec.com>

Folks:

Saw the new 75m and 40m SSB travel radios offered by MFJ at Ham Com in D/FW.

These have the same look as the 20m 9420 rig, which I own. If the new rigs are as good as the 9420, MFJ should sell a bunch.

I've been very pleased with the 20m rig - it has done quite well and I've worked gud DX. People always comment as to how well the audio sounds. Of course, these are made mainly for SSB, so the CW (with option) is not that strong.

Don't have any financial interest in MFJ, just wanted you to know these new critters were out. MFJ has taken a lot of knocks from some folks, but I've found they do some things very well, IMHO.

73 de Dave AC5GY

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "T. PETTIBONE" <tpettibo@NMSU.Edu>
Subject: [9661] Non-qrp stuff
Message-ID: <Pine.A32.3.91.960610201814.51900B-100000@hector>

With all due respect, can we please keep this crap off the list? I can also get excited about spousal abuse, the hungry, gun control, etc. This just isn't the place for it in my humble opinion.

Tim AB50U

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: John Shuster <jshuster@silverlink.net>
Subject: [9626] OHR Group Purchase is ON!
Message-ID: <199606101701.KAA22143@oly.olympic.net>

-- [From: John Shuster * EMC.Ver #2.5.02] --

* * * * *
* * * QRP-L JUNE 1996 GROUP BUY * * *
* * * Oak Hills Research QRP Kits * * *
* * * * *

With this QRP-L / OHR Group Purchase, we have two new kits to get at an introductory discount! A new OHR100 5-watt transceiver in 5 different bands and the DD-1 frequency counter/digital dial that you can adapt to any or all of your QRP rigs.

* * * Effective Dates * * *

Now through NEXT MONDAY NIGHT JUNE 17TH.

* * * Who Can Participate? * * *

QRP-L Members and your friends who want to get into kit building and the challenge of QRP.

* * * Discounted Kit Pricing * * *

These kits will ship immediately:

OHR 400 4 band, 5 watt radio: 20/30/40/80 meters - \$275.00

KEYKIT FOR 400 - \$34.00

CLASSIC 2 band, 5 watt radio: 20/40 meters - \$185.00

KEYKIT FOR CLASSIC 20/40 - \$34.00

SPIRIT II Single band, 5 watts in 20/30/40/80 meters - \$139.00
(Closeout - Dick has one 20M, two 80M, two 30M, and
two 40M kits left in stock.)

KEYKIT FOR SPIRIT II - \$34.00

EXPLORER II Single band, 3 watts in 20/30/40 meters - \$89.00

WM-1 QRP WATTMETER- \$69.00

SCF-1A Audio Filter Kit - \$59.00

KEY1 (keyer board and parts ONLY) - \$34.00

NEW KITS THAT WILL SHIP OUT after JULY 15th:

OHR 100 - Single band, 5 watt radio with many new features.
Available in 20/30/40/17/15 meters. Intro Price: \$149.00

DD-1 - Six digit, 50 MHz, frequency counter/digital dial.
Cabinet included! Intro Price: \$69.00

* * * Shipping and Handling * * *

\$5.50 for USA; \$10.50 insured shipment for Canada.
20% of order insured shipment for foreign orders.

* * * 2 step Protocol * * *

1. Email your order to me at: jshuster@silverlink.net

I will put you on the list which will be updated to OHR
on a daily basis. Include your CALLSIGN and your choice

of BAND, if applicable. If ordering for friends, include their callsigns too so that they can call OHR direct and arrange for payment and shipping instructions on their own.

2. Contact OHR to arrange payment and shipping. Use your CALLSIGN. OHR accepts Visa, MC, money orders, and checks.

Oak Hills Research
20879 Madison St.
Big Rapids, MI 49307

Phone: 616/796-0920
Fax: 616/796-6633
Email: ohrqrp@netonecom.net (This is OHR's new email address.)

I will confirm your (and your friends') callsign and order directly to you by email.

* * * Final Notes * * *

For those new to the list, OHR kits are known for their ease of assembly, quality components, and excellent design. Customer support is superlative, and Dick invests his profits back into improved designs and new kits for us. Positive reviews of OHR kits have appeared internationally and some are also

available from our QRP-L homepage. Check out the current review of the OHR 400 by list member Jeff Gold on page 46 of the June 96 issue of QST.

Dick asked me to let everyone know that OHR will be closed for vacation from July 1st to the 15th. Technical support will resume on Tuesday the 16th.

Happy trails,

John Shuster
Group Buy Coordinator
phone/fax: 360/876-1603
email: jshuster@silverlink.net

--

John Shuster
TU ES 73 DE KC7CKP

QRP at the foot of the Olympics
in little Port Orchard, WA

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Dick Schneider <74602.3317@compuserve.com>
Subject: [9662] Operating Schedule
Message-ID: <960611024538_74602.3317_EHH127-2@CompuServe.COM>

I'll be traveling from Denver to the Milwaukee area this week for a family reunion and will be operating QRP/CW at the reunion using a modified Kenwood TS50. I've included an operating schedule and invite anyone out there to give me a call.

AB0CD/9
Dick Schneider

Special Family Reunion Station: New Berlin WI (Near Milwaukee)

Operating Schedule (QRP)

Day	Date	Operating Time (CDT)	Mode	Freq
Wed	June 12	Evening 8-9 pm (CDT)	CW	7.040
Thu	June 13	Morning 9-10 am (CDT)	CW	14.060
Fri	June 14	Morning 9-10 am (CDT)	CW	14.060
Sat	June 15	Morning 9-10 am (CDT)	CW	14.060
		Evening 8-9 pm (CDT)	CW	7.040
Sun	June 16	Morning 9-10 am (CDT)	CW	14.060
		Evening 8-9 pm (CDT)	CW	7.040
Mon	June 17	Morning 9-10 am (CDT)	CW	14.060

I will call CQ at the top of each hour.

Casual June 12-17 CW 10.116

Tnx es 72/73 Dick/AB0CD..

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Tarte Pierre <ptarte@arcadis.be>
Subject: [9644] QRP 10MHZ (PART 2) ON5UP
Message-ID: <9606102215.AA19240@iris.arcadis.be>

RECEIVER CONVERTER

GND GND

```

-----
GND ===  ===  ----0----0>+12V
=== I I I I I
I I A --- I --- +
I D1 C13 I C14 C15
--- I K --- R1 ---
C5 I I I I I
--- ----0----0 ===
I I GND GND
J1(ANT 10MHZ) I I I I-----I
o----- ----0----0--I C3 I---0---- ----I(1)(8) I
I I I I I I I I I I (4)I-----> X
I I I I I I I I I I
--- --- +++++ --- I U1 I
L2 L1 C1 C4 10MHZ C2 L3 L4 I NE602 I
--- --- +++++ --- I MIXER (5)I-----> Y
I I I I I I I I I I
I I I I I I I I I I
===== === === ===
GND GND GND GND GND GND --- I(2) (6)(3)(7)I
I-----I
I I I I I I
0---I C6 I-----I I I I
From xtal J3 I I I ---
oscillator 0 ---- I C7
4MHZ I I ---
(PART 1) I I I
=====
GND GND GND
I I
X >----- ----0----I C10 I---0----- ----0 J2
I I I I I I I TO IF 14MHZ
I I I I I I I 0 (14.1MHZ-
I I I I I I I 14.15MHZ)
L5 L6 ---- L7 L8 I
C9 C11 =====
I I ---- +++++ --- I I GND
I I I 14MHZ I I I
Y >----- I I +++++ I I I
I I I I I I I
=== =====
GND GND GND GND GND

```

L1=22 TURNS T50/6 L2=2 TURNS// L3=22 TURNS T50/6 L4=5 TURNS
 L6=22 TURNS T50/6 L5=5 TURNS// L7=22 TURNS T50/6 L8=2 TURNS
 C1=C2=C9=C11 trimmer capacitor 3-30pF// C3=C10 trimmer capacitor 1.5pF-5pF
 C4=100pF// C5=86pF//C6=33pF//C7=C13=C14=10nF// C15=10MF/16V//D1=ZENER 6.2V 400mW
 U1=NE602//R1=270//J2=J3=BNC CHASSIS

SEE PART 3
 ANDRE TARTE (ON5UP/QRP) (G-QRP CLUB 6524)

RUE DU TIGE,37,DREHANCE
B-5500-DINANT-BELGIUM
FAX:082/222832
E-MAIL :ptarte@arcadis.be

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Tarte Pierre <ptarte@arcadis.be>
Subject: [9643] QRP 10MHZ (PART3) ON5UP
Message-ID: <9606102214.AA19222@iris.arcadis.be>

VXO 10MHZ:

see W6EMT 30m VXO TRANSMITTER (SPRAT NR 78:The journal of the G-QRP CLUB).
modifications:

L1,L2,L3 =3D 5xRFC (22=B5H,33=B5H,22=B5H,22=B5H,22=B5H)
C1=3Dcapacitor 60pF/8pF
T2 =3D 2x15 turns bifilar on T50/2 and link 6 turns
IC1 =3D CA3046
on print circuit from ON5UP, except Q1,Q3,Q2 and associated components on
UGGLY.
Q2 remplaced by VN66AF

THE STATION 10MHZ UNDERSTANDS

(1) RECEIVER (CONVERTER 10MHZ/14MHZ)

Converter 10MHZ/14MHZ with variable IF of 14.1MHZ to 14.15MHZ (at ON5UP, it
is the TS820S).

(2) TRANSMITTER (VXO SPRAT nr 78)

VXO of 10095,8KHZ to 10136,4KHZ // POWER OUTPUT 2,5W // FULL BREAKING

RECEIVER (CONVERTER): seeing part 1 and part 2

Uggly montage and includes 2 modules:
CRYSTAL OSCILLATOR 4MHZ (see part 1)

- (1) Adjust C2 in order to hear the signal 4MHZ on your receiver.
(2) Adjust CL and C4 in order to obtain a maximal deviation in J3/J4
(3) Eventuellement place an oscillo in J3/J4 and retouch CL and C4 in order=
to=20
obtain a sinusoidal signal.

REMARK:in function of the crystal activity and some parameters of T1, in=
order=20

----- to obtain a certain start of the oscillator, modify C12 and C1 in

knowing=20

that XC1 about 200ohms and XC12 about 500ohms.

RECEIVER MIXER (CONVERTER) : seeing part 2

-
- (1) Adjust the receiver serving of variable IF between 14.1MHZ and 14.15MHZ.
 - (2) Before place U1 on its socket, measure 6,2V on pin 8 of U1.
 - (3) Place U1 on its socket and plug the antenna 10MHZ in J1.
 - (4) Adjust R6 of crystal oscillator 4MHZ (part 1) in order to obtain 0.35V=
on=20
pin 6 of U1.
 - (5) Has the aide of test generator (very small transmitter 10MHZ: seeing
part 4) plugged on a piece of wire (1m) like antenna and placed at the
farthest=20
possible of the station: adjusting alternately C1,C2,C3 and C9,C10,C11=
in=20
order to obtain a maximal deviation of the s'meter of receiver 14MHZ=
wedged=20
on the frequency of test generator.

REMARKS:

-
- (1) In order to roughhew the regulating more easily: adjusting the band-pass=
=20
filter 14MHZ (the band-pass filter 10MHZ having C1 and C2 to the
maximum of=20
capacity) in the first place, in order to hear the stations active on=
this=20
band.
 - (2) When all is very controlled, he not to that has no transition of active=
=20
stations on the 14MHZ band.

MODULE VX0 (see part 3)

For the regulating see Sprat nr 78.

STATIONS LISTENING or CONTACTED

With antenna dipole to 6 meters above ground.

OK,EI,G,GI,GW,GM,F,DL,TK,ER,HA,YO,I,SP,EA,EA6,TF,RA,SM,1P0Y,UT,5B0,OE,HB0,W,
K,3B8CF,IL7,8A2,TM,OY,OH,K,JA,VK

BEST 73 and 72 ON5UP/QRP

ANDRE TARTE (ON5UP/QRP) (G-QRP CLUB 6524)

RUE DU TIGE,37,DREHANCE

B-5500-DINANT-BELGIUM

FAX:082/222832

E-MAIL :ptarte@arcadis.be

XTAL OSCILLATOR 4MHZ + BUFFER

```

GND      GND      GND
====
I
I
-----
C4
-----
I
I
-----
C11 C2
-----
I
I
I
I
I
I
R1    R2    I---0---0---I CL I---0---0---I C5 I-----> A
I      I      I OC      I   I   I      I      I
I      I          I       I       I      I      I
O-----O-----OB T1      X      X      I      I
I      I          X      L1  ++++++  L2    I--I C6 I-----> B
I      ----      OE      X      4MHZ    X      I      I
----  C12        I      X      ++++++  X      I      I
XTAL  ----      I      X          X      I
----  I          I      X          I
I      0  ----  O      O-----  I
==  ----      I      I  ---  =====
GND  C1        I      R10  C      GND
----      R3      I      ---
      I      I      I      I
      I      I      +12V  I
=====
GND      GND              GND              GND
=====
GND      +12V              I
=====  I      I      I      I
I      0-----I +C10 I --0-----I
----  I      I      I      I
      C7      I      I      I
----  I      I      I      I
D I      0-----I C8I-----I
G I-0----- R5 ----- I      I
A ---0->I T2
      I I-----
      I S      I

```

```

      I
R4      I

      I      R6 <-----0 J3
      I      OUT (BNC) to mixer NE602 (RX converter)
===      I      0 4MHZ
GND      I      I
      =====
      GND      GND

```

```

      GND      +12V
      ===      I
      I      I
      ----      I
      C9      I
      ----      I
      D I      I
      G I-0----- R8 ----
B ---0->I T3
      I I-----
      I S      I
      R7      I

      I      R9 <-----0 J4
      I      OUT (BNC) (for one next project :transverter)

      I      0 4MHZ
===      I      I
GND      I      I
      =====
      GND      GND

```

R9=R6= TRIMMER resistor 1K // T2=T3=BF245C (any JFET canal n)//T1=2N3904
 R8=R5=R10=100 //R7=R4=100K
 R1=4,7K // R2=10K// R3=220// C5=C6=C7=C8=C9=10nF//C3=0,1MF//C1=180pF//C12=82pF
 C10=tantalium bead capacitor 10MF/16V//C11=39pF//C2=C4=trimmer3-30pF
 CL=trimmer 1.5pF-6pF
 L1=L2=56 turns T50/2 // J3=J4=BNC chassis socket//XTAL=4MHZ

SEE PART 2
 ANDRE TARTE (ON5UP/QRP) (G-QRP CLUB 6524)

RUE DU TIGE,37,DREHANCE
 B-5500-DINANT-BELGIUM
 FAX:082/222832
 E-MAIL :ptarte@arcadis.be

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
 From: Tarte Pierre <ptarte@arcadis.be>
 Subject: [9642] QRP 10MHZ(PART4)TEST GENERATOR ON5UP
 Message-ID: <9606102214.AA19225@iris.arcadis.be>

```

----->K
I  I  I  IIG
O--I C2I--IIN
I  I  I  IID
R3          C
I          x-----0-----  -----0 J1 (antenna)
I          I      I  I
O----O-----xB T1      I  I  I
I      I      ---  I
I      I      xE      C3      L2
I  ++++++  I      ---  L1  I
R1 XTAL      O----- I      ===
I  ++++++  R2  I  I  I  GND
I  I      I  I  ==== I  I---->K
==== I      I  ---- GND  I  I
GND  ===      ===  C1      I---0---- R4  -0-----0--> +12V
      GND      GND  ----
              I
              I
              ====
              GND
              C4      C5
              ----
              I      I
              ====  =====
              GND      GND

```

XTAL=10,116MHZ
 R1=5,6K//R2=560//R3=10K//R4=56
 C4=C2=0,1MF//C1=1000pF//C5=22MF/16V// C3=trimmer 90pF
 T1=2N2222
 L1=31 turns T50/2 L2=3 TURNS
 TARTE ANDRE (ON5UP/QRP) (G-QRP CLUB 6524)
 RUE DU TIGE,37,DREHANCE
 B-5500-DINANT-BELGIUM
 FAX:082/222832
 E-MAIL :ptarte@arcadis.be

ANDRE TARTE (ON5UP/QRP) (G-QRP CLUB 6524)
RUE DU TIGE,37,DREHANCE
B-5500-DINANT-BELGIUM
FAX:082/222832
E-MAIL :ptarte@arcadis.be

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Bill Acito 10-Jun-1996 1148 <acito@asdg.ENET.dec.com>
Subject: [9619] QRP(p) Field Day List so far...
Message-ID: <9606101545.AA26353@us1rmc.bb.dec.com>

Any additons or corrections?

b

(set to a fixed-space font)

Call -----	Group or Personal name -----	Location -----	Expected Class QRP and/or QRPp -----
W8MHV or NS80	Athens County ARA	Athens OH County Fairgrounds	1A-Battery QRP (5 watts)
WA8Z	Utica Shelby Communications Association	Romeo, Michigan	17A
K0CL	Ski Country ARC,	Glenwood Springs, CO	2A battery.
W1FMR	QRP-NE	Princeton MA	3A Battery
W4BS	Delta Club	Memphis, TN	
K0FRP	Colo QRP Club (CQC)		2A Battery QRP
K80UA	FISTS (NEOWPA-- Northeastern Ohio		

	Western PA)	Warren Ohio	QRP, 2A/3A battery
KD7S	Bill Jones	Kings Canyon National Park central CA Sierra's	1B Battery, QRP
W1BCG	Shoreline Amateur Radio Club	Hammonasset State Park Madison, CT	3A Battery
N5BTH	Big Texas Hombres	Cumby, TX	1b, Battery, QRP (5w)
W5VBO	Brian(1 op only)	N.E. SD	1B (Batttery, QRP)
KB0UCQ	COLORADO QRP CLUB	ELIZABETH, CO	2A BATTERY, QRP
N6GA	Zuni Loopers		

. - I own my own words -
 Bill Acito
 acito@asdg.enet.dec.com
 |d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS qrp-ne qrp-l arci norcal amsat-na arrl-life

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
 From: QLF%mimi@magic.itg.ti.com
 Subject: [9627] QRP-L
 Message-ID: <9606101724.AA14296@itg.ti.com>

From: Brad Bradfield QLF

Subj: QRP-L

Good morning guys - -

For various reasons, I have switched my subscription to the Digest mode for the time being. May be back real time eventually, but don't know. If anybody has anything of an immediate nature for me, send it direct as shown below.

Brad, WB0CGH

OLF@MSG.TI.COM

ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M) ARS #72
Collector of wireless and landline Morse keys and accessories.

From: bkassel@enet.net (Brian Kassel)

Message-ID: <199606110323.UAA20529@maple.enet.net>

I'll be using my QRP + and Hamsticks on 40 and 20 as well as Hustlers on 15 and 10, if

they open up. I suspect that this means that I will be on 20 and 40 most of the time.

The fixed antenna system in SD will be a "bottom up" 40M triangle, fed at the apex.

(bottom), and probably tilted a bit from true vertical., on the shores of a small lake.

I may throw up some other types as well.

Naturally I will QSL 100% to all who request it when I return to AZ.

Also I will be un-subscribing from this list for the 2 week period that I am gone, but will re-subscribe upon my return to AZ.

If anyone needs these states for QRP - QRP WAS, or just would like to give me a holler, I sure would love to work you.

Brian W5VB0
Phoenix SCQrpions

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [9650] Silicon vs Silicone
Message-ID: <Pine.LNX.3.91.960610162042.25872C-100000@dt1.datatamers.com>

Gang,

A while back there was some discussion of Silicon vs Silicone. For those who don't know the difference here is brief info:

SILICON is a chemical ELEMENT. Sand is composed mostly of silicon. Silicon is used in semiconductors such as transistors, diodes, and integrated circuits. Pronounce it "silly-con".

SILICONES are all chemical COMPOUNDS. Examples are silicone oil, grease, and rubber. If you fish, you probably use silicone grease on your reel. Many of us use silicone rubber ("silicone seal") to seal antenna connectors, etc. from the weather. Pronounce it "silly-cone".

Hope this clears up the differences.
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Mike J Pulley <Mike_J_Pulley@ccm.ch.intel.com>
Subject: [9624] Source of 700 Hz pitch

My trusty MFJ-9020 needed to be aligned for Field Day. (Confession time - I'd screwed up the BFO and transmit offset adjustments with my idle twiddling under the hood.)

The good news is the alignment instructions in the MFJ manual are clear and the adjustments are fairly straightforward, requiring only a volt meter, a signal source, and a 700 Hz reference pitch.

The bad news is where does one find a 700 Hz reference pitch?

I don't have an accurate frequency counter, so I applied a musical solution. Concert "F" is 698.5 Hz. Close enough. Just match the sidetone pitch to middle F on a piano, keyboard, or pitch pipe and you're done!

BTW, multiply any pitch by $2^{(1/12)}$ to get the next higher half-step note (F to F#, for instance). Every octave doubles the pitch.

If you need another standard pitch, here's the table beginning at middle A. Another popular sidetone and transmit offset pitch is 600 Hz, which falls between D and E-flat (Eb). Either note is within 5% of 600 Hz, so take your pick.

Note	Pitch	
====	=====	
A	440	Hz
Bb	466.2	
B	493.9	
C	523.3	
Db	554.4	
D	587.3	
Eb	622.3	
E	659.3	
F	698.5	
Gb	740	
G	784	
Ab	830.6	
A	880	

Thanks to Larry Gass, KG7WS, for helping me find the musical math formula and generating the pitch table.

Regards,

-- Mike, WB4ZKA
Phoenix, AZ

Mike_J_Pulley@ccm.hf.intel.com

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Brad Mugleston <bmug@gw1.com>
Subject: [9612] Sprint Weights
Message-ID: <199606101420.AA04558@gp-nixon.gw1.com>

Gang,

In a June 6 Digest there was a recap of some Sprint entrants - one participant was Wayne, N6KR. His set up was

-- From my Mazda, in the parking lot
-- using a ham stick on 40M
-- and the Sierra

Never did see a weight posting, just wondering what the weight is on his Mazda? I think next time he should find a lighter carrying case for his Sierra, Antenna and battery.

de KB0ROL, Brad

PS - my Son Derek (age 14 last May) passed his GENERAL Saturday - didn't study his code at all and spent about 2 days studying for his written - Kids don't they make you sick and proud.

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [9652] Tektronix , Ham Com, etc. ZR-3
Message-ID: <n1377689334.93048@msmailgw1.arlut.utexas.edu>

Gosh Chuck,
You want the manual after getting such a good deal!?

I forgot, honestly, to tell you that I would likely be able to get a copy of the manual here from the Cal lab folks. In fact, if they have a surplus manual, I likely can get an original.

Ham Com had a cold front come in, and the weather was wonderful, sunny and cool, Sat. and Sunday. Although attendance was down, there was a LOT of stuff inside. I saw a non dealer have some OHR kits for sale also, just a couple. I had such a good time visiting with the Nortex club folks and dealers I know, that I did not make every table in detailed looking like I usually do. I

enjoyed the uncrowded aisles, although there were enough folks that when I arrived at opening of the commercial exhibits, I had to park about two blocks away.

One major addition to commercial exhibitors, who also said they would be there in 1997, was Ten Tec, taking orders, and showing both their ready made, and kit products. I have three items coming from them this week. Their SWR-Power Meter kit is only \$49, and has both HF and 2M capability, and both QRO and QRP scales.

They have a very nice cased Regenerative receiver for most of the lower ham and short wave bands. Its black metal box includes a battery compartment between the circuit board sections, and it has a speaker built into the lid. (My very first kit was a regen, and I must admit to home brewing a few after that including super-regens, thus I decided to add to my construction backlog.)

Oh, and Ten Tec has a G5RV antenna kit, but you provide the RG 8x coax, and string the beads on the end of it as a RF choke balancing device.

Ten Tec was much appreciative of the surveys Chuck has conveyed to them, and if you have not completed one, look in the QRP-L archives and fill it out, and send with your comments to them.

As to why a 40M QRP kit is coming out? That they told me was in the pipeline long before the survey form, and they have had a lot of requests from amateurs other than QRP types for a 40M kit offering. With low sunspot levels for another couple years, 40M is a prime band still. I imagine, though; when propagation is hot on 10M; there will be something offered then.

Incidentally, the Six and the Two Meter Transceiver kits, that are QRP levels, are very attractive. The metal cases remind me of the Lowe short wave receivers that came out a few years back, and made a big impression. They are flat black, which is a theme in a number of their cased kits, as those here with the six meter transverter know.

The desk mike kit is very professional, and does not look "home made" at all in finished form.

If you are looking for HP, Tektronix, or Ballantine instruments, you might try the guy Chuck mentioned. He is from "Airfirst" and his name is Robert Bruce, (405) 794-0672, and Fax is same area code, 794-7280.

His mailing is 15308 Robert Avenue, Oklahoma City, OK 73165. His inventory of instruments is large, a trailer full, towed behind a sizeable RV. "Some" have been tested, but the price is best on those not, as Chuck found out. His inventory of the Field Strength meters which are the square boxes for the AN/GRC 9 radios, is down to 3 in original packing, plus the demo model. :-) I

set one up on the QRP club table, and was stampeded by questioners; this is a switched band crystal diode FSM for 1.5 M Hz to 24 MHz marked, but with a meter amplifier mod that Robert throws in, it is supposed to go to 50 MHz. I do not yet know the sensitivity, but as I remember the AN/GRC 9 was a 7 watt radio or so.

I originally saw the boxes last year, and they are water tight with a seal, and a shoulder strap, and thought: I could build something in that. But I think I can have fun with it comparing mobile antenna efficiencies as well. And mapping patterns of antennas, and ----

Did the little Japanese QRP 40M CW transceiver sell, Chuck? It was made by the same company that made the AEA DX Handies for 10M and other bands. It however, was a table top radio, like a CB in size.

Walgreen's sells a nice plastic case that will carry a couple of gel cells, and a Ten Tec Argo, and room for key, mike, and rolled up dipole with small coax for about \$4 and that was useful for hauling goodies around the swap. I missed the close out of soft cases that would tote gel cells for 50 cents.

Found true brown porcelin antenna insulators for my field Day Vee beams, and these are about six inches long, but it was the strength I needed for 330 feet legs, not the insulation flash length.

Got some new 2.5 mh RF chokes of the pie wound type for one tube projects.

Only two folks showed for the 7PM dinner at Olive Garden, but it was two antenna fans, myself and Wayne from NorTex, thus stories were swapped. Next year, we must eat early, right Larry?

If you ever go to a ham fest and the Wireman is there from South Carolina, as he is at Ham Com, be sure to see his seminar which he repeats thru the weekend. Very educational on antennas and coax and ladder lines, and he has some field strength demos.

Finally, Force 12 Antennas was there with a new one, surely the most unusual one of the show. The ZR-3. This is a 20-15-10 meters single feed, low profile Z-axis Radiator (they said). It is 5 feet 4 inches tall 1.57 m, between two groups of what look like the VHF squalo antennas given vitamins. Actually, there are three squares of various sizes at top, and three at bottom, with a dipole mast in between. The center insulated section of the mast is bridged by a coil of a few turns, off to the side. Each of the square horizontal loops has little "levers" on the edge of them, that I was told was for fine tuning the matches. 50 ohm coax with balun exits thru the bottom of center radiator, and that is RG 213.

It is considered a magnetic doublet antenna, with no traps, loading coils or toroids. The center mast is about a tenth wave long. They claim it is ideal

on your patio of an apt. or condo with antenna restrictions.
It will also function inside a building to some degree, if the structure is not shielding material. The used it in a concrete tilt wall building with foil backed roof insulation during some of the test phase. The loops are considered "end linear loading" and not capacity hats, (they say.) The antenna is balanced, needing no radial or counterpoise system. They are claiming a take off angle of 14 degrees when ground mounted!

In their brochure, a refreshing honesty: "The ZR-3 will be both good and not so good, depending on the incoming angles involved---" But you do not heat up traps. 2:1 BW is 300 kHz on 20, 400 kHz on 15, and 600 to 800 on 10. The rated power handling is 2,500 Watts, CW continuous, and there are some impressive welds on the aluminum so I believe it will do that. Weight is 24 pounds, and some of the loops have to be pop riveted (like their beams), but only at low current points, and as an adjunct to swaged tight fits. The show price was \$399, but if you are facing putting an antenna in your yard below privacy fence level, or in an attic of a wooden house, this might be your answer. There is a rod from one side of each loop that welds it to the vertical mast, or dipole half. It is a vertical dipole, with these loading structures, whose total length would measure slightly more than a half wave on each band.

The largest square "loop" on each end is 48 inches on a side. (1.16m)

For those who fox hunt with quad beams, imagine a two element turned vertical, but with another band on the same boom. The 'boom' is the vertical dipole.

This thing is so new Force 12 forgot to put their address on the one page hand out, so see their ads in the ham magazines in USA, and maybe someone at home can add the address for those interested in more info.

Well, the real show stopper was Paul's (NA5N) book: "Data Book for Homebrewers and QRPers", but it deserves a post unto itself. Got no sleep to speak of, as it was a book I could not put down!

72, Stuart K5KVH
rohre@arlut.utexas.edu

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: bmitchel@kodak.com (Brad Mitchell)
Subject: [9631] Try this with your 49er.
Message-ID: <9606101802.AA11404@iiatasun.cba.Kodak.COM>

I was just playing around with the 49er installing the piezo for sidetone, when suddenly, I heard a signal.. now there was no antenna hooked up at all!

NONE. So I listened.. W8MVN... Even without an antenna.. Good thing I don't have too many fillings!

73 Brad WB8YGG

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Nick Franco <kf2ph@bnl.gov>
Subject: [9640] Weird SW-30 Happening
Message-ID: <31BC87DA.5E3C@bnl.gov>

Hi All,

I decided to get fancy and add that capacitor to my Hamstick on the bumper of my car. Lakeview recommends a capacitor range for each band Hamstick to really get the SWR low. I was using my "stick" on 30 with the best SWR I could get without the cap and making many contacts. (if it ain't broke, don't fix it - I know, I know)

So I add this 470pF cap from the center conductor of the coax to ground and the SWR on my LED indicator is almost non-existent. The only problem is now I have NO SIDETONE. It disappeared! Just key clicks. I did make a contact with it like that, using the sidetone in the keyer, but what happened? Any ideas?

72,
Nick

KF2PH TMPS 1996 Q'S=32 States=12 Confirmed=6 DX=4

--

Nicholas J. Franco <>> BROOKHAVEN NATIONAL LABORATORY
Sr. Systems Specialist RHIC Project - Building 1005 - Room 201
Tel: (516) 344-5467 Fax: (516) 344-3674 UPTON, N.Y. 11973-5000
Email: kf2ph@bnl.gov <http://www.rhichome.bnl.gov/People/franco>

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: pcw12@ix.netcom.com (Phil Wheeler)
Subject: [9618] Re: 10 meters mobile, June 8 & 9
Message-ID: <199606101547.IAA14844@dfw-ix6.ix.netcom.com>

You wrote:

>

>Dear Fellow QRP Enthusists,

> 10 meters FM/SSB, over the weekend, mobile, from Southern NM into
>the Bay Area & up and down the eastern coast of the USA, was superb.
>With my Uniden HR2510, in the vehicle, it was Sporadic E contacts all
>over the USA. I had kept scanning 28.060 MHz, did not hear a peep, but
>29.6 MHz FM & 10 meters SSB was hot. The Bay Area (Menlo Park) had
>sounded like they were locals. Looks like we will have some more of the
>same, within the next few days. Where is everyone QRV (QRP) on 10
>meters ?

>

>

You have a good point. Most of the qrp kits out there do not have 10 meters
as an option. I'll bet some such rigs do become available when the sun spot
cycle turns. I reckon most of us don't even listen to 10 meters.

10 meters will be a great qrp band when it comes back: Antennas are small and
qrp can literally work the world.

Thanks for the wake up call!

Phil w6tuh

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996

From: James Bell <jim.bell@canada.cdev.com>

Subject: [9607] RE: 300 OHM ANT

Message-ID: <199606101347.JAA17903@nss2.CC.Lehigh.EDU>

Use 300 ohm twin lead 29.25 ft short one end together and extend
with wire to 33.25 ft.

Feed one side at the bottom with 50 ohm coax and ground the other
to radial system. Use a tuner where required.

JIM VE3DDY

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996

From: Harvey Winters <ve1hdw@fox.nstn.ca>

Subject: [9649] RE: 300 OHM ANT

Message-ID: <1.5.4.32.19960610225025.00667768@fox.nstn.ca>

At 09:49 10/06/96 -700, James Bell wrote:

Thanks Jim. Thats the info I was looking for.

72/73 de Harvey

Harvey D Winters VE1HDW
G-QRP 8973 CQC 177 QRP-ARCI 8963
QRP-L 115 New England NE397

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
Subject: [9628] Re: 9V1ZV Sked update 14023 UTC, 2 Qs
Message-ID: <9606101747.AA25353@wizard.ucs.sfu.ca>

>
> Yeehar!
>
> Got another. Jack, W7CNL/QRP, is the lucky second QSO. This is 1420 UTC
> or so and bands are noisy. Called CQ real slow to make up for the poor
> conditions and then played the RIT and heard what sounded like a homebrew
> rig. Listened real hard and got the /QRP bit. Aha! I thought, time to put on
> the phones and turn up the volume. Jack, from Paso. I wonder where in the
> USA Paso is. Anyway, Jack, do let us know what rig you are using and your
> setup. Let's hear it from your end :-)
>
> 73 de 9V1ZV Daniel
>
> p.s. Some station just came on the frequency.
> --
> Daniel Wee | daniel@pandora.lugs.org.sg
> 9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

Hi Daniel,

Glad you got him. I am writing this as I don't think Jack is on the list. I had been calling you when Jack called me at 1341z and we had a nice qso. I asked him if he was looking for "Daniel" too and he asked "Who is Daniel?" I explained that you were a qrp 9V1 and he said he would really like to work a qrp 9V1. We ended our qso and while I was listening for you and checking my email, he called me on the phone saying you had come up and asked for your address for qsl purposes. Glad I was able to help out. Now if I can just work you myself 8-). By the way Jack is in Boise Idaho.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

>
>
>

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [9617] Re: Capacitors - NP0 vs C0G
Message-ID: <199606101535.JAA00921@zia.aoc.nrao.edu>

Bill (and others):
NP0 is the industry identification for 0ppm/deg. C temperature coefficient. C0G is the EIA identification meaning the same thing. Thus, they both refer to a cap with virtually no temperature drift.

A few other common varieties are
N033 = S1G - 33ppm/deg. C
N075 = U1G - 75ppm
N150 = P2G -150ppm
N330 = S2H -330ppm

Minor trivia point ... they are often referred to as "N P Oh,"

while legally, they are "N P Zero." I myself refer to them as "N P Oh's" :-)

GL, Paul NA5N

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "Paul R. Valko" <prvalko@Oakland.edu>
Subject: [9608] Re: CW
Message-ID: <Pine.OSF.3.91.960610100307.13669A-1000000@saturn.acs.oakland.edu>

On Sat, 8 Jun 1996, Paul Ridley_ wrote:

> I belong to a somewhat new radio club in my area that has quite a few
> new Tech Class hams. We are trying to get them to upgrade, so I need
> frequencies and times that CW practice is given on the air. Can anyone
> help me with this item?

Slow speed code can be found 24 hours a day between 7.100 and 7.150.

I've found you can lead these horses to water, but you can't make them drink. Don't push the tech-lites too hard, many (claim) to have no interest in "upgrading." BUT!!! Do take them to field day where they can see there's a whole wide world beyond talking about the WX and other drivers on the 2M repeater.

73! =paul= wb8zjl

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Kevin Muenzler <wb5rue@amsat.org>
Subject: [9620] RE: CW
Message-ID: <01I5QP19CFFA0010DB@ARWEN.UTHSCSA.EDU>

On Monday, June 10, 1996 5:13 AM, Paul R. Valko[SMTP:prvalko@Oakland.edu] wrote:

>
>On Sat, 8 Jun 1996, Paul Ridley_ wrote:
>
>> I belong to a somewhat new radio club in my area that has quite a few
>> new Tech Class hams. We are trying to get them to upgrade, so I need
>> frequencies and times that CW practice is given on the air. Can anyone
>> help me with this item?
>
>Slow speed code can be found 24 hours a day between 7.100 and 7.150.
>
>I've found you can lead these horses to water, but you can't make
>them drink. Don't push the tech-lites too hard, many (claim) to have no
>interest in "upgrading." BUT!!! Do take them to field day where they
>can see there's a whole wide world beyond talking about the WX and other
>drivers on the 2M repeater.
>
>73! =paul= wb8zjl
>
>
>

Well, that works in theory. From what I've been reading on one of the USENET news groups all it does to them is make them want the FCC to eliminate CW as a requirement for HF privs.

Kevin, WB5RUE
wb5rue@amsat.org

"I am Voltohm of Borg, Resistance is E/I, Power is EI, you will be attenuated!"

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>

Subject: [9621] RE: CW

Message-ID: <Roam.3.0.834423562.4509.myers@bigboy>

> On Monday, June 10, 1996 5:13 AM, Paul R. Valko[SMTP:prvalko@Oakland.edu]
> wrote: >

> >On Sat, 8 Jun 1996, Paul Ridley_ wrote:

> >

> >> I belong to a somewhat new radio club in my area that has quite a few
> >> new Tech Class hams. We are trying to get them to upgrade, so I need
> >> frequencies and times that CW practice is given on the air. Can anyone
> >> help me with this item?

> >

> >Slow speed code can be found 24 hours a day between 7.100 and 7.150.

> >

> >>I've found you can lead these horses to water, but you can't make
> >>them drink. Don't push the tech-lites too hard, many (claim) to have no
> >>interest in "upgrading." BUT!!! Do take them to field day where they
> >>can see there's a whole wide world beyond talking about the WX and other
> >>drivers on the 2M repeater.

> >

> >>73! =paul= wb8zjl

> >

> >

> >

>

> Well, that works in theory. From what I've been reading on one of the
> USENET news groups all it does to them is make them want the FCC to
> eliminate CW as a requirement for HF privs.

>

> Kevin, WB5RUE

Do we **really** want to turn this list mailing list into another r.r.a.policy?

Dana

Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996

From: Wayne Barnhart <wayneb@on-ramp.ior.com>

Subject: [9646] Re: Does QRP have a future??

Message-ID: <Pine.LNX.3.93.960610150621.2694A-1000000@on-ramp.ior.com>

On Mon, 10 Jun 1996 210_100_LIB@NEOMNO.NEOMIN.OHIO.GOV wrote:

> Frankly, I'm concerned! Not only about the state of the world in general, but
> more specifically for this group, the state of our great hobby. A couple of
> weeks ago several QRP-L members posted info re the IARU's "Future of the
> Amateur Service Committee" recommendations on CW as part of the international
> treaty which governs amateur radio worldwide. The FASC WILL recommend that CW
> be dropped as a requirement for HF privileges at the next WRC. Unless there is
> a monumental outcry from the little guys, people like me and, I assume, YOU,
> the recommendation will be accepted and within a very short time the HF bands
> will be filled with hams who have no understanding nor desire to understand the
> benefits and pure satisfaction that comes from developing CW skills. As time

I think I am going to disagree with this. I blv that as long as someone wants to work CW the facilities will be available. Just because they will drop the code requirements doesn't mean CW itself will be dropped. Tuning across the bands today I can attest that there are few who understand the benefits and pure satisfaction that comes from developing CW skills and I am one of them. I mostly work CW because I built the radio that transmits CW and I kinda get a kick out of QRP, mostly because I can build a QRP radio. I really cant say that working CW is anymore satisfying than any other mode. As an example of what I am trying to say (on the spur of the moment so to speak) there is a lot of digital activity on the HF bands. Probably more digital operators than QRP operators yet the digital operators did not have to prove their digital proficiency by taking a digital test. They do it because they like it. CW operators are the same way. Witness the number of general class and above that havn't been able to copy code since the day they took and passed the test.

Since you gave some of your background I will do the same. I spent 7 years with the Coast Guard as a radiomen back in the 60's. I held a high speed ticket that allowed me to work on the air with a bug. To get the ticket you had to pass a 30wpm send/rcv test. I currently hold an extra class license. I have been involved with CW most of my adult life but hold no reverence for it.

The direction of amateur radio is definately changing. I hear a number of husband/wife conversations on 2 meters. They became licensed because the medium provides a reliable method of keeping in touch. I think that this is ok. I also think it is ok for someone to scratch build his own radio. Its a big hobby and there is room for everyone and I think the time for a cw requirement for entrance has passed.

Thanks for the time...

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: brian@lloyd.com (Brian Lloyd)
Subject: [9656] Re: Does QRP have a future??
Message-ID: <v01540b03ade2785302ee@[158.222.3.3]>

At 3:28 PM 6/10/96, Wayne Barnhart wrote:

>On Mon, 10 Jun 1996 210_100_LIB@NEOMNO.NEOMIN.OHIO.GOV wrote:

>

>> Frankly, I'm concerned! Not only about the state of the world in general, but
>> more specifically for this group, the state of our great hobby. A couple of
>> ...

>Just because they will

>drop the code requirements doesn't mean CW itself will be dropped.

Agreed. There will always be people interested in CW even if the requirement disappears.

On the other hand, there are a valid technical reason for continuing to use CW. The typical CW signal bandwidth is a function of sending speed but even really fast CW is only about 50 Hz wide. A CW receiver's bandpass is typically 200 Hz to 500 Hz. Receive bandpass for SSB is about 2.1 kHz minimum. Right there you recover about 10 db in switching from a 2.1 kHz pass band to a 200 Hz pass band. Add to that the human ear's ability to pull a single tone out of the noise and you have several reasons to run CW under marginal conditions.

If we think about the most critical operating environment, EME, most of those contacts are with CW and will continue to be with CW. Changing regs has no effect on the laws of physics.

I know; I'm preaching to the choir. ;^)

73 de Brian, WB6RQN

Brian Lloyd, President
brian@lloyd.com
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(916) 676-1147 - voice

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3461 Robin Lane, Suite 1
Cameron Park, CA 95682
(916) 676-3442 - fax 0-

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: dgf@netcom.com (David Feldman)
Subject: [9657] Re: Does QRP have a future??
Message-ID: <199606110134.SAA18167@netcom7.netcom.com>

brian@lloyd.com (Brian Lloyd) writes

>
>At 3:28 PM 6/10/96, Wayne Barnhart wrote:
>>On Mon, 10 Jun 1996 210_100_LIB@NEOMNO.NEOMIN.OHIO.GOV wrote:
>>
>>> Frankly, I'm concerned! Not only about the state of the world in general, but
>>> more specifically for this group, the state of our great hobby. A couple of
>>> ...
>
>>Just because they will
>>drop the code requirements doesn't mean CW itself will be dropped.
>
>Agreed. There will always be people interested in CW even if the
>requirement disappears.

This issue/problem/whatever is ALREADY present on the VHF bands. I like CW, particularly for VHF weak signal work where it's benefits really shine. Unfortunately, I run into more and more operators that don't want to use CW or can't, and limit their VHF results to that which can be accomplished with SSB.

I suspect without code requirements, CW will continue in use on it's own merits. I just wonder whether at some point in the future the dedicated band segments will be given over to other service such as (bleccchhhh) HF packet...

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [9658] Re: Does QRP have a future??
Message-ID: <Roam.3.0.834459359.13759.myers@bigboy>

> At 3:28 PM 6/10/96, Wayne Barnhart wrote:
> >On Mon, 10 Jun 1996 210_100_LIB@NEOMNO.NEOMIN.OHIO.GOV wrote:
> >
> >> Frankly, I'm concerned! Not only about the state of the world in general,
> but >> more specifically for this group, the state of our great hobby. A
> couple of >> ...
>

> >Just because they will
> >drop the code requirements doesn't mean CW itself will be dropped.
>
> Agreed. There will always be people interested in CW even if the
> requirement disappears.

> On the other hand, there are a valid technical reason for continuing to use
> CW. The typical CW signal bandwidth is a function of sending speed but
> even really fast CW is only about 50 Hz wide.

Actually, CW from a typical amateur transmitter is sent with a "shaping factor" of 5, which results in a bandwidth of about 85Hz for a moderately fast 20WPM signal, and about 170Hz for a "really fast" 40WPM signal.

> A CW receiver's bandpass is
> typically 200 Hz to 500 Hz. Receive bandpass for SSB is about 2.1 kHz
> minimum. Right there you recover about 10 db in switching from a 2.1 kHz
> pass band to a 200 Hz pass band. Add to that the human ear's ability to
> pull a single tone out of the noise and you have several reasons to run CW
> under marginal conditions.
>
> If we think about the most critical operating environment, EME, most of
> those contacts are with CW and will continue to be with CW. Changing regs
> has no effect on the laws of physics.

Actually, if your goal is to send data under noisy conditions, there are better technologies than CW available. For example, BPSK with a coherent detector works quite well and isn't that complex. Once you start using a coherent modulation technique, spreading the signal over a greater bandwidth increases the ratio of the (correlated) signal to the (uncorrelated) noise.

For example, we don't use CW to talk to deep space probes, do we?

> I know; I'm preaching to the choir. ;^)

Hey, I like QRP and I like CW, but that doesn't mean that everyone that likes QRP likes CW, does it?

;-)

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Ken Newman N2CQ <103464.1355@CompuServe.COM>
Subject: [9634] Re: Explorer II Drift
Message-ID: <960610200505_103464.1355_IHI57-3@CompuServe.COM>

TO: Ron Giuntini, INTERNET:rong@slip.net

Re: Re: Excessive Drift on EXP II

Hi Ron,

The cap to replace the variable C62 is a small blue fixed cap marked 683 (68 pf) and also marked C03 for whatever that may be.

I did check my Exp II and, yes there is noticeable drift on warmup. After a few minutes it is not noticable at all. I have no plan to dig into the rig for this. I'm happy with it as is.

The receiver seems very quiet and most signals jump up right out of the noise nicely. The variable selectivity is excellent for as simple as it is.

They say the audio is for headsets but I'm listening to the band with an old Drake Model 2-BQ speaker and I'd say its plenty. I'm listening with the volume up half way. When I first used it, it was on a pair of used headphones and I was complaining about low audio. It turned out to be the headset.

The case is much nicer than I imagined for this rig. He turned out a very fine kit and gives you much more for the price.

Enjoy your Exp II, Ron, and maybe we'll QSO on Field Day or QRP Afield.

72/73 de Ken - N2CQ Woodbury, NJ FM29jt

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996

From: "Paul R. Valko" <prvalko@Oakland.edu>

Subject: [9609] Re: FOXHUNT SCHEDULE 1996

Message-ID: <Pine.OSF.3.91.960610101433.13669B-1000000@saturn.acs.oakland.edu>

On Sun, 9 Jun 1996, Joel Malman wrote:

> Is there a Foxhunt Schedule for 1996 available yet? I need to do some long
> term planning.

Thank's for brightening my day by bringing back some fond memories!!!! :-)

73! =paul= wb8zjl

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996

From: "Frank G3YCC" <g3ycc@enterprise.net>

Subject: [9633] Re: GQRP - Re: haggis
Message-ID: <199606101948.TAA17465@mail.enterprise.net>

>? Perhaps we should get back to radio...
Point taken, Jack, but nice to know we can have a giggle now and again!

>
> Slainte and 72/3,
>
> Jack
>
>
All the best

73
Frank G3YCC G QRP 042

QRP Web Page: <http://homepages.enterprise.net/g3ycc/>

Packet: G3YCC@GB7HUL.#15.GBR.EU

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "Gary R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>
Subject: [9637] Re: Hamsticks for 40
Message-ID: <31BC93CB.6FF0@edcen.ehhs.cmich.edu>

Ron, your question abt Hamsticks and 40 meters is a good one. I've been using the ham sticks on my car and portable for about 3 years with rather good success.

If you have a large full size car, then I wouldn't waste my time on using the dipole set-up. I've used the dipoles both in my backyard and while camping, and getting them up high enough is a problem. They end up being about 12.5 feet long and they enter the center feed bracket off set so the antenna is off balance and doesn't hang horz. very well. I also haven't been very successful in finding good trees that lack lower branches in most campgrounds here in Michigan. Getting 12.5 feet of unbalanced (weight wise) antenna up a tree isn't as easy and it might seem.

Performance of a single ham stick on a car or van is very good while portable, considering you can put one up in about one min. Only draw back is the narrow band width of a short vertical. I use my Autek RF Analyst RF-1 to keep me center slotted, so to speak, on the ham stick while running portable and QRP without a tuner.

While camping three weeks ago on the shores of Lake Michigan I worked a few of the stations in the WPX contest. Some of the stations were W0CG, VE9CB, WZ3Q, W5FO, VP5Z, WZ1R, VA7A, KC6X, WA0SXR, AND K5YAA. Station consisted of a Scout 555 running abt 5 watts, Power Station battery, and a hamstick/20 meters mag. mounted to a full size van roof.

Hope you have fun with your hamsticks, I think they fit the bill for quick and easy operation, without much time or money invested. Oh, also worked a few stations with five watts with the hamstick still on the car in the garage with the metal garage door closed. Garage is in a hole and the QSO was with two op's from Florida who gave me a 57 and a 59. Twenty meters was so bad that day none of us could believe we were having the QSO at all!

CUL Gary/N8AYY

.

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Bob Hirsch <bobh@p3.net>
Subject: [9664] Re: OY question
Message-ID: <1.5.4.32.19960611032440.006c639c@p3.net>

At 10:54 6.6.96 -0700, you wrote:

>I snagged an OY9 on 160 and have his address but I think I'm missing one
>vital piece of info: what is the root country for OY9?
>
>Thanks in advance.....73 Gary K7FR

Hi Gary --

OY is the Faroe Islands. They are in the North Atlantic east of Norway and north of Great Britain. The islands belong to Denmark.

=====

73 es CUL de KE3OB

Bob Hirsch
bobh@p3.net

qrp-arci #8700 qrp-l #450
ARRL

=====

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [9613] Re: Please, no ASCII art on paper
Message-ID: <Pine.SUN.3.90.960610072438.11792B-1000000@vortex.sage.dri.edu>

On Sat, 8 Jun 1996, Robert J. Gobrick wrote:

> publishing programs a little easier (well I'm sure the editors will say that
> nothing is easy - hi). Our goal as members and writers is to make their job
> easier so they can concentrate on putting out some of the top notch qrp
> newsletters that are out there (OK to name a few .. QRP Quarterly, Low Down,
> QRPP, 72, The Five-Watter, SPRAT, etc etc and growing). Editors are now
> finding that setting up a "boiler plate" template using a desktop publishing
> program like MS Publisher and the "superest deal" at Dayton - the full
> Pagemaker program (\$80) makes editing a newsletter a little more manageable
> - am I correct editors???
>

Yes, we will complain about all the hard work, but if we didn't enjoy it
we would all quit!

I can't imagine putting the Quarterly together without a couple
of things.....

The most important is all the help from the other editors, who really
do the work. I receive the articles in camera ready form, MS Publisher
files via the internet and plain ASCII text from here on the qrp-1
or via ftp.

So before I get anything, the hard part has been done.

Next is the use of a program like MS Publisher and soon to be
PageMaker. To try and do something like this without good tools
is not something I would like to try!

As a little insight into how I feel about things:

We are leaving for Boise, ID tonight to exchange the Cannon Color
printer I was given on my birthday for a HP DeskJet that will match
the formatting of the HP that I use here at work. They each handle
fonts differently and change the page layout each time I switch
from home to work! (The fact that we have 2 kids and 3 grandkids

in Boise might have a little to do with hand carrying the printer)!

For me the hardest chore is to import various formats of drawings and have control over them. I am hopping that PageMaker will help here.

Oh, one more thing, I have neither the time nor inclination to learn to draw with AutoCad, KeyCad or any other program. Others will have to continue doing that for me! (And again, for those brave souls who do, THANK YOU!)

Gotta run, cul,

(Printer said that the July issue of the Quarterly should be proofed and printed by this time next week....17 June 96)

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [9625] RE: QRP(p) Field Day List so far...
Message-ID: <960610125759.25217033@carib.vf.mmc.com>

Bill (and all),

Here's another QRP Field Day station to listen for:

KB2VBI.

I'll be operating the HF CW station with that call sign for the Victor Amateur Radio Association at the Pine Hill Scout Reservation in Pine Hill, NJ. The cw operation will be with my Argo 509. If you hear the call on SSB or VHF, it will be the QRO guys :-(. We generally operate 2A or 3A.

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "M. E. Monninger" <markem@primenet.com>
Subject: [9659] Re: Silicon vs Silicone
Message-ID: <1.5.4.32.19960610191713.002e51ac@mailhost.primenet.com>

Right on, Dave. I always cringe when I hear someone talking about "Silicone Valley" or "silicone chips". Then again, I do the same when I hear "nuc-u-ler" or "irregardless". Not to mention "destinated" or "The personal is...", but that's another thread.

One tiny bit to add...silicones are compounds of silicon, so there is a relationship.

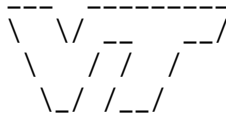
73... Mark AA7TA

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: pelt@vt.edu (Randy Pelt)
Subject: [9632] Re: Source of 700 Hz pitch
Message-ID: <v01540b05ade1de0485cf@[198.82.152.40]>

>
> The bad news is where does one find a 700 Hz reference pitch?
>
> I don't have an accurate frequency counter, so I applied a musical
> solution. Concert "F" is 698.5 Hz. Close enough. Just match the
> sidetone pitch to middle F on a piano, keyboard, or pitch pipe and
> you're done!
>

Mike, you are making one big assumption here. The piano is in tune :-).

Ranson J. Pelt
pelt@vt.edu
QST de nz4i Semper Fi



From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: "Gary R. Widmayer" <grwidma@edcen.ehhs.cmich.edu>
Subject: [9638] Re: Test
Message-ID: <31BC93C1.2B5E@edcen.ehhs.cmich.edu>

OK Daniel, like I said California will be the easy state to work.
Let's try a real test of ones skills and station and work into
Michigan!

Let me know your sked for this week, seems like the best time to hit
Michigan would be about 12:00 UTC or so.

CUL Gary/N8AYY

From owner-qrp-1@Lehigh.EDU Mon Jun 10 23:09:28 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [9610] Re: The real meaning of working QRP
Message-ID: <Pine.SUN.3.90.960610071554.11792A-1000000@vortex.sage.dri.edu>

On Sat, 8 Jun 1996, Art Searle wrote:

> Either you work the staion QRP or you don't.

> How does the rest of the QRPers feel about this?
>
> 72, de Art WU2K
>

Well, call me an OF if you want, but I agree with Art. That is the
same as working someone on SSB and then sending something on CW
and getting a report back on SSB and counting that as a CW contact.

If you can't get em' with qrp, you didn't work em' with qrp!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....